



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	6.85	8.73	11.05	13.80	17.15	21.00					
25.0	6.51	8.34	10.55	13.25	16.45	20.20					
30.0	6.17	7.94	10.10	12.70	15.75	19.40	23.60	25.50			
35.0	5.81	7.53	9.60	12.10	15.05	18.55	22.60	24.40	27.30		
40.0	5.46	7.10	9.09	11.45	14.30	17.65	21.50	23.30	26.10	28.60	31.20
45.0	5.09	6.67	8.57	10.85	13.55	16.75	20.50	22.10	24.80	27.20	29.80
50.0	4.72	6.23	8.03	10.20	12.75	15.80	19.35	21.00	23.50	25.80	28.30
55.0	4.35	5.78	7.49	9.53	11.95	14.85	18.25	19.75	22.20	24.40	26.70
60.0		5.33	6.94	8.86	11.15	13.90	17.10	18.55	20.90	22.90	25.20
65.0			6.37	8.18	10.35	12.90	15.95	17.30	19.50	21.50	23.60
70.0				7.49	9.50	11.90	14.75	16.05	18.10	20.00	22.00
75.0				6.79	8.66	10.90	13.55	14.75	16.75	18.50	20.40

Cond °C	Power, kW										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	3.67	3.64	3.62	3.59	3.55	3.48					
25.0	3.62	3.65	3.69	3.73	3.76	3.76					
30.0	3.65	3.74	3.83	3.93	4.01	4.08	4.12	4.12			
35.0	3.76	3.89	4.03	4.18	4.32	4.44	4.53	4.56	4.59		
40.0	3.94	4.11	4.29	4.48	4.67	4.83	4.98	5.03	5.09	5.13	5.16
45.0	4.20	4.40	4.62	4.84	5.06	5.27	5.46	5.52	5.61	5.68	5.73
50.0	4.53	4.76	5.00	5.25	5.50	5.74	5.96	6.05	6.16	6.24	6.31
55.0	4.95	5.19	5.45	5.72	5.99	6.25	6.50	6.59	6.72	6.82	6.91
60.0		5.68	5.95	6.24	6.52	6.80	7.07	7.17	7.31	7.42	7.53
65.0			6.52	6.81	7.10	7.39	7.67	7.78	7.93	8.05	8.15
70.0				7.43	7.73	8.02	8.30	8.41	8.56	8.69	8.80
75.0				8.11	8.40	8.68	8.96	9.07	9.22	9.34	9.46

Cond °C	Current at 400 V, A										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	9.78	9.75	9.72	9.70	9.65	9.59					
25.0	9.74	9.76	9.79	9.83	9.85	9.85					
30.0	9.76	9.83	9.92	10.01	10.09	10.15	10.19	10.19			
35.0	9.84	9.96	10.10	10.24	10.38	10.50	10.59	10.62	10.65		
40.0	10.01	10.17	10.35	10.53	10.72	10.89	11.04	11.09	11.16	11.20	11.23
45.0	10.25	10.45	10.66	10.89	11.12	11.34	11.54	11.61	11.71	11.78	11.84
50.0	10.58	10.81	11.06	11.32	11.59	11.85	12.09	12.18	12.31	12.40	12.49
55.0	11.01	11.25	11.53	11.83	12.13	12.42	12.71	12.81	12.97	13.08	13.19
60.0		11.79	12.09	12.41	12.74	13.07	13.38	13.51	13.68	13.81	13.94
65.0			12.74	13.08	13.43	13.78	14.13	14.26	14.46	14.61	14.75
70.0				13.84	14.21	14.58	14.95	15.09	15.30	15.47	15.63
75.0				14.69	15.07	15.46	15.85	16.00	16.22	16.40	16.57

Cond °C	Suction Mass Flow, g/s										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	38.90	48.70	60.40	74.30	90.50	109.00					
25.0	38.50	48.40	60.20	74.10	90.30	109.00					
30.0	38.10	48.10	59.90	73.80	90.00	108.50	130.00	139.50			
35.0	37.60	47.60	59.50	73.40	89.60	108.50	129.50	139.00	153.50		
40.0	37.00	47.10	59.00	72.90	89.10	107.50	129.00	138.50	153.00	166.50	180.50
45.0	36.40	46.50	58.40	72.30	88.40	107.00	128.50	137.50	152.50	165.50	179.50
50.0	35.70	45.90	57.80	71.60	87.70	106.00	127.50	136.50	151.50	164.50	178.50
55.0	34.90	45.10	57.00	70.80	86.70	105.00	126.50	135.50	150.50	163.50	177.50
60.0		44.30	56.10	69.80	85.70	104.00	125.00	134.50	149.00	162.50	176.50
65.0			55.10	68.70	84.50	103.00	124.00	133.00	148.00	161.00	175.00
70.0				67.50	83.20	101.50	122.50	131.50	146.50	159.50	173.50
75.0				66.20	81.80	100.00	121.00	130.00	145.00	158.50	172.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	29.2
Length/Width, mm	284/289
Height, mm	551
Net Weight, kg	68.2
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.58
Oil type (original charge)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	68
Sound Power (HT), dBA	79
Sound Power with Sound Shell (HT), dBA	69
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 50 Hz
PED Category	3
Max. Low Side Internal Free Volume, l	12.6
Max. High Side Internal Free Volume, l	1.5
Max. Internal Free Volume, l	14.1
High Side PS gauge, bar	50
Low Side PS gauge, bar	30.4
Low Side TS Max., °C	55
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	1430
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	23
Locked Rotor Current, A	147
Winding Resistance, ohm	1.04
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL****MOTOR OPTIONS**

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04